



Attorney Docket No. 677/44540  
Serial No.: 10/563,981  
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**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Cancelled)
2. (Currently Amended) The centrifuge according to Claim 4~~8~~, wherein the axes of rotation extending through the center of gravity of each drum and are oriented either parallel to one another or are aligned with one another.
3. (Currently Amended) The centrifuge according to Claim 4~~8~~, wherein the centrifugal drums have a continuous basket shell.
4. (Cancelled)
5. (Currently Amended) The centrifuge according to Claim 4~~8~~, wherein a maximal rotational speed of the centrifugal drums about the first axis of rotation is higher than a maximal rotational speed about the second axis of rotation.
6. (Currently Amended) The centrifuge according to Claim 4~~8~~, wherein the centrifugal drums are arranged opposite one another, and the first axes of rotation of the centrifugal drums are aligned with one another.
7. (Currently Amended) The centrifuge according to Claim 4~~8~~, wherein the second axis of rotation is arranged perpendicular to the first axis of rotation of each drum and crosses each first axis of rotation.

8. (Currently Amended) The centrifuge according to Claim 1, A centrifuge, comprising:  
at least two centrifugal drums, each drum including a disc stack and each drum being rotatable about first and second axes of rotation;  
the first axis of rotation extends through a center of gravity of and is within each drum, and the second axis of rotation is situated outside each drum; and  
wherein the centrifugal drums have a double-conical construction including two mutually oppositely oriented inner and outer conical sections, each of the conical sections being constructed at an end area, of the centrifugal drums.
9. (Previously Presented) The centrifugal drum according to Claim 8, wherein the inner and outer conical sections of each centrifugal drum are mutually connected by central cylindrical sections.
10. (Previously Presented) The centrifuge according to Claim 8, wherein relative to the first axis of rotation, the outer conical sections are each constructed at an acute angle with respect to the first axis of rotation , the angle amounting to 60° or less.
11. (Currently Amended) The Centrifuge according to Claim +8, wherein the disc stack is arranged concentrically with respect to a feeding pipe in each of the centrifugal drums.
12. (Currently Amended) The centrifuge according to Claim +8, wherein the disc stack includes rising ducts.

13. (Previously Presented) The centrifuge according to Claim 8, wherein at an end of the outer conical sections, discharge openings for a solid phase are constructed and oriented concentrically with respect to the first axis of rotation.

14. (Cancelled)

15. (Currently Amended) The centrifuge according to Claim 14, wherein each drum includes a centric feeding pipe for centrifugal material and also includes discharge ducts extending through the cylindrical attachments.

16. (Cancelled)

17. (Currently Amended) The centrifuge according to Claim 8, wherein the centrifugal drums have a common driving device for driving the centrifugal drums about the first axis of rotation.

18. (Currently Amended) ~~The centrifuge according to Claim 16 A centrifuge, comprising:~~

at least two centrifugal drums, each drum including a disc stack and each drum being rotatable about first and second axes of rotation;

the first axis of rotation extends through a center of gravity of and is within each drum, and the second axis of rotation is situated outside each drum;

wherein each centrifugal drum includes a first driving device for driving the centrifugal drum about the first axis of rotation; and

wherein the centrifugal drums and their driving devices are arranged on at least one rotatable ring.

19. (Previously Presented) The centrifuge according to Claim 18, wherein the at least one rotatable ring is horizontally aligned and is rotatably disposed by bearings on a base structure.

20. (Previously Presented) The centrifuge according to Claim 18, wherein the at least one rotatable ring is rotated on a base structure by a second driving device.

21. (Currently Amended) The centrifuge according to Claim 18, wherein the at least two centrifugal drums are connected behind one another with respect to a flow path of centrifugal material.